

Periodic Energy Audit Submission (CORENET 2.0)

Guide for PE and Energy Auditor

Dated 24 Aug 2022

Go to <https://www.corenet2-ess.gov.sg/document/#/home> and select login here for your CORENET e-Submissions.

The screenshot shows the homepage of the CORENET 2.0 e-Submission system. The browser address bar displays the URL <https://www.corenet2-ess.gov.sg/document/#/home/Cn2LoginOptions>. The website header includes the CORENET 2 logo and a navigation menu with links for 'About', 'Announcements', 'Online Submission', 'Software Downloads', and a 'Login here for your CORENET e-Submissions' button, which is highlighted with a red arrow. Below the navigation bar is a large banner image of the Singapore skyline at sunset. Overlaid on the banner is the text 'Corenet 2.0 e-Submission' and a description: 'A G2B (Government to Business) internet-based system that enables industry professionals to submit project related electronic'. The main content area has a dark blue background with the text 'CORENET 2.0' in large white letters. Below this, there is a section for 'Other Links' with a 'Reach' link. The footer contains links for 'Report Vulnerability', 'Privacy Statement', and 'Terms of Use', along with copyright information: '© 2022 Government of Singapore' and 'Last Updated : 05 February 2022'. A vertical label 'DWP Digital Guide' is visible on the right side of the banner.

A Singapore Government Agency Website

CORENET 2

About Announcements Online Submission Software Downloads

Login here for your CORENET e-Submissions

Corenet 2.0 e-Submission

A G2B (Government to Business) internet-based system that enables industry professionals to submit project related electronic

CORENET 2.0

Other Links

Reach

Contact Info Feedback FAQ

Report Vulnerability Privacy Statement Terms of Use

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Last Updated : 05 February 2022

DWP Digital Guide

Log in VIA Individuals (Log in with Singpass) or VIA Existing Corenet ESS account with passport/FIN number

The screenshot shows the CORENET 2.0 login page. The browser address bar displays the URL: <https://www.corenet2-ess.gov.sg/document/#/home/Cn2LoginOptions>. The page header includes the CORENET 2.0 logo and navigation links: About, Announcements, Online Submission, Software Downloads, a warning icon, and a link to "Login here for your CORENET e-Submissions".

The main content area features three login options, each with a "VIA" label in a circle:

- Business Users**: Log in with Singpass
- Individuals**: Log in with Singpass
- Existing Corenet ESS account with passport/FIN number**: Click Here

The options are separated by vertical lines and "or" text. The background of the main content area shows a blurred image of a modern building. The footer features the CORENET 2.0 logo and a small icon in the bottom right corner.

Go to More ➡ Select Online Submission

The screenshot shows the CORENET 2 web application interface. The top navigation bar includes the CORENET 2 logo, the user name "WELCOME, Lionel Yeo", the last login time "Last Login: 24/08/2022 | 15:33", and a "Logout" button. The main navigation menu has tabs for Dashboard, Projects, Submissions, Correspondence, and More. The "More" tab is highlighted with a red circle and the number 1. Below the "More" tab, there is a grid of links. The "Online Submission" link is highlighted with a red circle and the number 2. The "Online Submission" link is located in the top right corner of the grid. The "Online Submission" link is highlighted with a red circle and the number 2. The "Online Submission" link is highlighted with a red circle and the number 2.

Dashboard Projects Submissions Correspondence More

Download File(s) Package Others **1** Software Downloads and User Guides **Online Submission**

Online Correspondence Request to Change Project Member Request to Take Over/ Reap **2** Project Manual Project

Agency Response Time Vault View Pending Change Member Request

No records to display

0 of 0 pages (0 items)

Favorites **!**

A886-00003-2022 ★
Proposed Erection of a 3-Storey Landed House
Location Description:
604, SENJA ROAD, #1-1, Singapore 670604

Your Submission History for the last 4 Weeks

1.100				
1.000				
0.900				
0.800				

86°F Mostly cloudy

3:34 PM 8/24/2022

Download PEA Application Forms:-

Select Application ➤ BCA ➤ BCA-GMEB-Periodic Energy Audit of Bldg Cooling System ➤ Proceed

The screenshot shows the CORENET 2.0 Online Submission portal. The navigation bar includes Dashboard, Projects, Submissions, Correspondence, and More. The breadcrumb trail is Home / More / Online Submissions. The main heading is Submit Online Submissions. On the left, a sidebar shows the process steps: 1. Select Application, 2. Upload Document, and 3. Submit. A red circle with the number 1 points to the 'Select Application' step. A red circle with the number 2 points to the 'BCA(15)' category in the filter list. A red circle with the number 3 points to the 'BCA-GMEB-Periodic Energy Audit of Bldg Cooling Sys' application. A red circle with the number 4 points to the 'Proceed' button at the bottom right. A red box highlights the table of application forms, with a red arrow pointing to the 'Annex_B_Energy_Audit_Report.doc' file. A red text label 'Click to Download forms' is placed above the table.

Search for Application

ALL (46)

☒ BCA(15)

☐ CITYENERGY(1)

☐ HDB(9)

☐ JTC(1)

☐ NPARKS(5)

☐ PUB(4)

☐ SCDF(1)

☐ UPG1(6)

AC-ACO-SAC Applications

Appointment of SE under S28

APPOINTMENT OF STRUCTURAL ENGINEER

BCA-GMEB-Periodic Energy Audit of Bldg Cooling Sys

File Name	File Size	File Tag	Effective Date
Annex_B_Energy_Audit_Report.doc	4.47 mb	Others	9/10/2020
BCA-EB-NAPPOSE01.doc	0.05 mb	Others	9/10/2020
BCA-EB-OSE01.XFDX	0.03 mb	Main Form	23/03/2022
Periodic Energy Audit Correspondence form.doc	0.06 mb	Others	9/10/2020

bp application02

Proceed

Submit Application Forms:-

Select Upload Document ➤ Browse or Drag Files to Upload ➤ Proceed

ECORENET2 - Search | CORENET 2.0 | Online Submission

https://www.corenet2-ess-uat.gov.sg/document/#/submissions/Cn2SubmissionSubmitOnlineSubmission

Dashboard Projects Submissions Correspondence More

Search Advanced search

Home / More / Online Submissions

Submit Online Submissions

1 Select Application

2 Upload Document

1 Submit

You are applying to **BCA-GMEB-Periodic Energy Audit of Bldg Cooling Sys**

Drag Files to Upload

Browse

BCA-FB-OSF01.XFDX Main Form 24.82 KB File uploaded successfully

Annex B Energy Audit Report (1).doc Others 4.27 MB File uploaded successfully

BCA-EB-NAPPOSE01 (1).doc Others 53 KB File uploaded successfully

3 Proceed

All required documents to be uploaded

- ☑ BCA-EB-OSE01.XFDX (XFDX format)
- ☑ Annex B Energy Audit Report (PDF format)
- ☑ Notification of appointment form BCA-EB-NAPPOSE01 (PDF format)
- ☑ Scanned copy of BCA notice letter for Energy Audit.
- ☑ As-built schematic drawing of air-conditioning system (water-side) is attached.
- ☑ As-built chiller plant room layout drawing indicating position of M&V instruments using symbol and color scheme is attached
- ☑ 1 week raw data of the following data points in excel format (.xls) with date and time stamp: chilled water supply temperature (°C); chilled water return temperature (°C); condenser water supply temperature (°C); condenser water return temperature (°C); chilled water flow rate (l/s); condenser water flow rate (l/s); electrical power of chiller(s), chilled water pump(s), condenser water pump(s) & cooling tower(s) (kW). The excel file should include all the chart plots specified in Annex B of the Code on Periodic Energy Audit of Building Cooling System.
- ☑ Energy Audit report (format in accordance to Annex B of "Code on Periodic Audit of Building Cooling Systems" prevailing edition) endorsed by PE/EA on front page of the hardcopy report.
- ☑ Drawings showing the details of instruments installation.
- ☑ Instruments' calibration certificates from accredited laboratory and their factory calibration certificates from manufacturers.
- ☑ All input parameters for the permanent instrumentations (e.g. flow meter setting for pipe material, diameter, circumference, thickness, roughness, type of lining). Calculation of overall uncertainty of measurement of the resultant chiller plant in kW/RT to be within +/-5% of the true value based on instrumentations specifications and calibration certificates.
 - i) for central chilled water system; and
 - ii) for individual chillers (if instrumentation are installed at individual chillers and header/risers.)
- ☑ Chiller(s) part load performance (at 10% interval from 100% to minimum value) from equipment supplier at operation conditions.



**Note: All attachments
are to be ENCRYPTED**

A submission number would be generated (ES number).

Note: This Submission number is required for correspondence reply to BCA (CR).

The screenshot displays the CORENET 2.0 Online Submission portal. The browser address bar shows the URL: <https://www.corenet2-ess-uat.gov.sg/document/#/submissions/Cn2SubmissionSubmitOnlineSubmission>. The navigation bar includes links for Dashboard, Projects, Submissions, Correspondence, and More. The main content area shows the submission confirmation details:

- Sent To :** Building And Construction Authority
- Submission No. :** E520220824-28451 (highlighted with a red box and a red arrow)
- Application Type:** BCA-GMEB-Periodic Energy Audit of Bldg Cooling Sys
- Send By :** Lionel Yeo
- Submission Date :** 24/08/2022

The left sidebar contains a list of steps: 1 Select Application, 2 Upload Document, and 3 Submit (highlighted in orange).

Submit Correspondence Reply to BCA : –
Go to More ➡ Select Online Correspondence

The screenshot shows the CORENET 2.0 e-Submission System interface. The browser address bar displays the URL: <https://www.corenet2-ess-uat.gov.sg/document/#/submissions/Cn2SubmissionSubmitOnlineCorrespondence>. The navigation menu includes Dashboard, Projects, Submissions, Correspondence, and More. The 'More' menu is expanded, showing options like Download File(s) Package, Others, Software Downloads and User Guides, Online Submission, Request to Change Project Member, Request to Take Over/ Reappoint Project Coordinator, Manual Project, Agency Response Time, Vault, and View Pending Change Member Request. The 'Online Correspondence' option is highlighted with a red box and a red arrow labeled '2'. The 'Correspondence' menu item is also highlighted with a red box and a red arrow labeled '1'. Below the navigation menu, the application details are displayed:

Application Type:	Correspondence to Agency
Submit By:	Lionel Yeo
Submit Date:	2022-08-24

A 'Next >' button is visible at the bottom right of the page.

Select Correspondence Details ➤ Enter Reference Submission No. (ES number) ➤ Next

← → ↻ <https://www.corenet2-ess-uat.gov.sg/document/#/submissions/Cn2SubmissionSubmitOnlineCorrespondence> 🔍 📌 ⭐ 🗂️ 👤 ⋮

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CORENET 2 WELCOME, Architect 899 Last Login: 28/03/2022 | 10:41 [Logout](#)

Dashboard Projects Submissions Correspondence **More** Search [Advanced search](#) 🔔

Home / More / Online Correspondence

Submit Online Correspondence

1 Correspondence Details

2 Upload Document

1 Submit

Submission Details

Reference Submission No.* : ⓘ

Submit To* : Building And Construction Authority ⓘ

Application Type: Correspondence to Agency

Submit By: Architect 899

Submit Date: 2022-03-28

Next >

Click Upload Document ➤ Browse or Drag Files to Upload ➤ Proceed



The screenshot shows the 'Submit Online Correspondence' page. The top navigation bar includes 'Dashboard', 'Projects', 'Submissions', 'Correspondence', and 'More'. A search bar is on the right. The breadcrumb trail is 'Home / More / Online Correspondence'. The page title is 'Submit Online Correspondence'. On the left, a sidebar has three steps: '1 Select Application', '2 Upload Document' (highlighted in orange), and '3 Submit'. A red circle with the number '1' and an arrow points to the 'Submit' link in the sidebar. The main content area has a dashed box for 'Drag Files to Upload' and a 'Browse' button. Below this, there are three rows of file uploads. The first row shows 'BCA-EB-OSE01.XFDX' with a size of '24.82 KB' and a status of 'File uploaded successfully'. The second row shows 'Annex_B_Energy_Audit_Report (1).doc' with a size of '4.27 MB' and a status of 'File uploaded successfully'. The third row is partially visible. A red circle with the number '2' and an arrow points to the 'Main Form' dropdown menu. At the bottom right, a red circle with the number '3' and an arrow points to the 'Proceed' button. A large red starburst graphic is overlaid on the bottom left of the page.

Note: All attachments are to be ENCRYPTED

A correspondence number would be generated (CR number).

Logout

Dashboard

Projects

Submissions

Correspondence

More

Home / More / Online Correspondence

Submit Online Correspondence

1 Select Application

2 Upload Document

3 Submit

Correspondence No. : CR20220825-04781

Submission No. : ES20220824-28451

Send By : Lionel Yeo

Sent To : Building And Construction Authority

Send Date : 24/08/2022